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13 March 1956

Contract No. A-101  
Amendment No. 6The Rano-Wouldridge Corporation  
Los Angeles 45, California

Gentlemen:

1. This document constitutes Amendment No. 6 to Contract No. A-101 dated 11 March 1955, between The Rano-Wouldridge Corporation, Los Angeles, California, and the United States Government and further amends said contract, as amended, as hereinafter set forth.

2. Pursuant to the clause of this contract entitled "Changes," the Government hereby (i) makes certain changes in the specifications of the items of the contract work called for by this contract (ii) requires performance of certain additional work, and (iii) extends the period of performance for the work called for hereunder, as follows:

(a) In SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended, add the following Subsection "D" under the heading System 1:

D. The Contractor shall perform additional work over and above that contemplated under the contract, as heretofore amended, in connection with the design, engineering, development and production of System No. 1 to conform with revised requirements of the Government. The additional items of work are set forth in Enclosure CHCC Doc. No. 1131.8 to Contractor's proposal of 7 February 1956, which is incorporated herein by reference. 57

(b) In SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended, add the following Subsection "C" under the heading System 2:

C. The Contractor shall perform additional work and services in connection with studies, investigations, development and preparations for production of items of equipment comprising System No. 2. Based on the results of studies and investigations of both low-frequency and high-frequency operations already completed by the Contractor under this Contract, further efforts shall be directed toward development of a system utilizing the high-frequency band and including certain capabilities desired by the Government.

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(2) Spare Parts and Assemblies for maintenance of System No. 1 in accordance with the Fly-Away Kit list and the 180-day Support List attached. These lists represent a first estimate of spares requirements; quantities and items may be altered subsequently when operating experience can be employed to provide a basis for spares requirements.

(3) Three (3) sets of Unit Essential Equipment for Main Base support of operations involving System No. 1 and No. 3 and partial support for System No. 2 in accordance with Unit Essential Equipment List as amended. The items contained in the list include all equipment required for Systems No. 1 and No. 3, (except test sets for System 3) and only standard test equipment for System No. 2. Complete equipment requirements for System No. 2 will be determined at a later date and incorporated into this contract by an amendment hereto.

(4) Design and furnish packaging suitable for domestic air shipment for all items in the Fly-Away Kit and in the 180-day Support List in accordance with Enclosure (MCC Doc. No. 1131.7.

(e) In view of the work to be performed under subparagraphs (1) and (3) in Paragraph A, under major heading VII, above, SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended, by Amendment No. 2 is further amended by deleting from Paragraph A under major heading I System 1, subparagraphs (2) and (3) which read as follows:

"(2) Spare parts for the systems required to be delivered by (1) above, equivalent to a total of three (3) spare systems; and

"(3) Four (4) complete sets of field test equipment designed to permit performance tests on the individual subassemblies and on the complete systems delivered to the Government."

(f) In SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended by Amendment No. 3, delete from Paragraph C, under the heading I System I subitem (5) which reads as follows:

"(5) Rino (9) Ampex 350 three-channel ground transcription equipment."

This change will not increase or decrease the estimated contract price since the estimated costs of subitems (1) through (6), exclusive of subitem (5), have increased by a corresponding amount pursuant to additional work required by the Government in paragraph 2 (a) above.

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(2) Spare Parts and Assemblies for maintenance of System No. 1 in accordance with the Fly-Away Kit list and the 180-day Support List attached. These lists represent a first estimate of spares requirements; quantities and items may be altered subsequently when operating experience can be employed to provide a basis for spares requirements.

(3) Three (3) sets of Unit Essential Equipment for Main Base support of operations involving System No. 1 and No. 3 and partial support for System No. 2 in accordance with Unit Essential Equipment List as amended. The items contained in the list include all equipment required for Systems No. 1 and No. 3, (except test sets for System 3) and only standard test equipment for System No. 2. Complete equipment requirements for System No. 2 will be determined at a later date and incorporated into this contract by an amendment hereto.

(4) Design and furnish packaging suitable for domestic air shipment for all items in the Fly-Away Kit and in the 180-day Support List in accordance with Enclosure CMC Doc. No. 1131.7.

(e) In view of the work to be performed under subparagraphs (1) and (3) in Paragraph A, under major heading VII, above, SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended, by Amendment No. 2 is further amended by deleting from Paragraph A under major heading I System 1, subparagraphs (2) and (3) which read as follows:

"(2) Spare parts for the systems required to be delivered by (1) above, equivalent to a total of three (3) spare systems; and

"(3) Four (4) complete sets of field test equipment designed to permit performance tests on the individual subassemblies and on the complete systems delivered to the Government."

(f) In SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended by Amendment No. 3, delete from Paragraph C, under the heading I System I subitem (5) which reads as follows:

"(5) Mine (9) Ampex 350 three-channel ground transcription equipment."

This change will not increase or decrease the estimated contract price since the estimated costs of subitems (1) through (6), exclusive of subitem (5), have increased by a corresponding amount pursuant to additional work required by the Government in paragraph 2(a) above.

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(g) In SECTION A - CONTRACT WORK of the Schedule of Contract No. A-101, as amended, and the following major heading and subsections thereunder:

VIII PROVISIONING EQUIPMENT:

A. The Contractor shall furnish and deliver to the Government the furniture and equipment set forth in "LIST OF EQUIPMENT FOR SYSTEM 1," submitted with Contractor's proposal of 23 December 1955, CMCC No. 151.765, for test work on System No. 1 at the Test Site.

B. The Contractor shall furnish and deliver to the Government the equipment set forth in "LIST OF ADDITIONAL EQUIPMENT REQUIRED FOR SYSTEM 3," submitted with Contractor's proposal of 23 December 1955, CMCC No. 151.765, for test work on System No. 3 at the Test Site.

C. For the purposes set forth in CMCC Doc. No. 151.758 the Contractor shall furnish materials and labor necessary to erect the structure required, to transport the heavier items of equipment from its plant to the Test Site for System 2 and to place these in their appropriate positions within the buildings for the establishment of a test site for conducting tests on System No. 2 in the form in which the system will be provided initially in accordance with Contractor proposal of 9 December 1955, CMCC Doc. No. 151.758 and inclosure thereto, CMCC Doc. No. 113.3. An antenna array which may be required at a later date is not included as an item of equipment to be furnished under this Subsection C.

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(h) In consideration of the changes herein and the changes in priority, under SECTION B - DELIVERY of the Schedule of Contract No. A-101, as amended, delete in their entirety the headings I System 1, II System 2 and III System 3, together with the paragraphs and subparagraphs appearing under each of these headings, and substitute therefor, the following:

The Contractor shall exert its best efforts to complete and deliver all work required by this contract at the earliest possible dates and within delivery schedules specified by the Government. The Contractor agrees to keep the Contracting Officer informed by periodic reports of the items and the dates on which deliveries of the items are scheduled to be completed.

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(1) In consideration of the changes herein and the changes in priority, under SECTION 1 - PERIOD OF PERFORMANCE of the Schedule of Contract No. A-101 as amended, delete the date of 1 March 1956 and substitute in lieu thereof the date of 30 June 1956.

3. The Contractor's proposals and enclosures thereto, referred to herein by CMCC document numbers, insofar as they relate to procedures, specifications, requirements, proposed solutions to technical problems and tentative delivery schedules for items required to be delivered under this contract, are hereby incorporated herein with the same force and effect as though fully set forth in this contract and shall serve as the general outline of the requirements and specifications to be met by the Contractor in the performance of the contract work under this Amendment No. 6.

4. The estimated cost of the additional work added to Contract No. A-101 by this Amendment No. 6 is \$907,500., exclusive of fee.

5. In consideration of the Contractor's performance of the additional work added to SECTION A - CONTRACT WORK by this Amendment No. 6, the estimated cost and fixed fee are hereby increased. Accordingly subsections 1 and 2 of SECTION B - ESTIMATED COST AND FIXED FEE of the Schedule, as amended, are hereby deleted in their entirety and the following subsections are substituted in lieu thereof.

\*1. The estimated cost of the performance of this contract, exclusive of fixed fee, is TWO MILLION NINE HUNDRED NINETY-ONE THOUSAND NINE HUNDRED DOLLARS (\$2,991,900.)

2. The fixed fee for performance of the work called for by this contract is TWO HUNDRED FORTY-SIX THOUSAND EIGHT HUNDRED TWENTY-ONE DOLLARS (\$246,821.)

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6. All other terms, conditions and requirements of Contract No. A-101 remain unchanged.

7. Please indicate your receipt of this Amendment No. 6 to Contract No. A-101 and your acceptance thereof by executing the original and two copies of this Amendment. Return the fully executed original and one copy of this Amendment to the undersigned and retain the remaining copy for your files.

Very truly yours,

ACKNOWLEDGED AND ACCEPTED  
THE RAMO-WOOLDRIDGE CORPORATION  
BY \_\_\_\_\_

\_\_\_\_\_

Contracting Officer

TITLE SECRET 80100

DATE 3/20/56

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